

ENHANCED OPTICAL RECOGNITION OF DIGITIZED IMAGES THROUGH SELECTIVE BIT INSERTION

Abstract of the Disclosure

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The present invention describes a process for enhancing optical recognition of text in scanned documents. Prior to performing optical recognition for identification of text in scanned documents, a preprocessing algorithm identifies locations of noncontiguity in character strokes. The gaps created by noncontiguous character strokes are selectively filled with non-white or black pixels for enhanced character recognition. The process may assess noncontiguity on a bit-by-bit basis or, to reduce the number of operations, on a byte-by-byte basis.

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